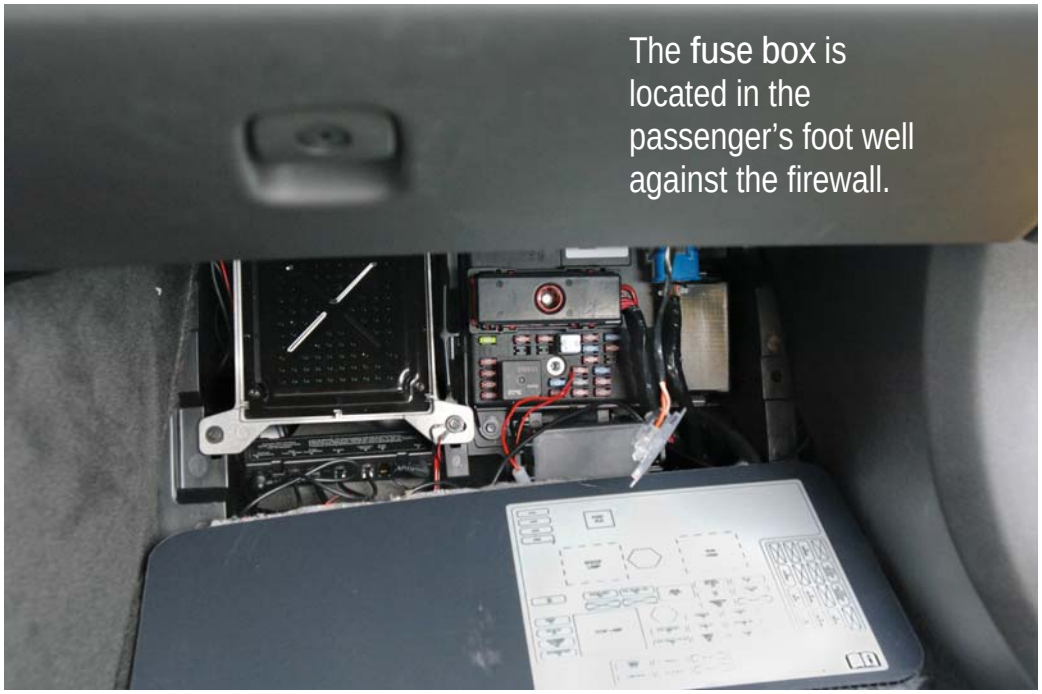
RX75 *Plus* INSTALLED RADAR & LASER DEFENSE SYSTEM

by BELTRONICS

RX75 *Plus* Corvette C-6 Installation Tips

We recommend bench assembling the entire system if you are a first time installer. We also recommend reading the installation manual. Power can be applied and all programming options selected on the bench or in the vehicle.

Power and Ground:



Locate a switched fuse and tap into the hot leg. Ground for power can also be found on the Bose amplifier case. Pull the carpet back to expose the fuse box. The interface (Letter Code F on the Installation Manual) will fit in the cavity under the Bose unit.

Note: the optional amplified speaker will also get power from this area.

Display Controller, Remote Mute / Volume Adjust, Amplified Speaker (Optional HV model), Concealed Display (Optional HV model): All wires from these components will run from the driver side. Feed the wires through the console to the passenger side where the interface is located. The small opening in the console for the wires is located towards the rear of the console. The space is large enough for all wires.

The Display Controller

(Code letter E on the installation manual) can be mounted on the lower dash to the right of the steering wheel or buried under the dash or in the center console or anywhere on the HV model after user preferences are programmed if any. NOTE: If the owner wants laser shifting enabled this must be performed in programming mode in the Bands MOD selection by setting SHFT in the LSR selection column after all items are completely installed and power is restored.

The Remote Mute Button (Code letter H on the installation manual) should be located within easy reach of the driver. NOTE: This button has three functions – please consult the owner's manual for explanation.

The Bi-Colored Concealed LED Display (optional HV model) can be mounted in the "crease" of the instrument cluster and upper dash as shown. The LED comes with a trim bezel – a ¼ inch hole pulling the LED through and attaching trim and snapping it back in the hole in almost any location that is clearly visible to the driver will work.

The Amplified Speaker (optional and required for voice alerts) can be zip tied to the wiring harness under the dash with the speaker pointing toward the driver's lower legs. Use the knurled knobs as "anchors" for the zip tabs (tip: for even greater volumes such as needed in convertibles, open T-tops, etc., the speaker can be mounted above the dash).

Front Laser Shifters: The Front Laser Shifters (Code letter B on the installation manual) can be mounted different ways. They can be mounted inside the grill area as on the Yellow Z06 with the supplied mount brackets and 3M Scotch VHB [1] double sided tape (follow surface preparation and temperature instructions for the VHB tape),

or they can be mounted outside the grill using VHB double sided tape as shown on the black car. Spread the shifters as far apart as possible but maintain a clear view of the road ahead. The shifters should be mounted as level as possible (use the sight line on the short side of the shifter as a level line) with the bubble lens on the top of the front face. Remove the protective film from the front face after installation. Feed the wires towards the passenger side of the car under the hood.

Front Radar Receiver: The Front Radar Receiver (Code letter A on the installation manual) can be mounted inside the grill area using self taping hardware. Place the unit in the middle and screw it to the plastic shroud. The unit can also be mounted inside under the hood using double side tape and placed on the small ledge on the driver side as along as no metallic parts obstruct the view forward (tip: do not mount radar receiver behind license plate). The ledge is located behind the bumper.

Penetrating the Firewall: The wires from both front shifters and the radar receiver should be run towards the passenger side. The main wiring harness going into the firewall will have a soft rubber boot around it. You will need to disconnect and remove the battery except on the Z06.

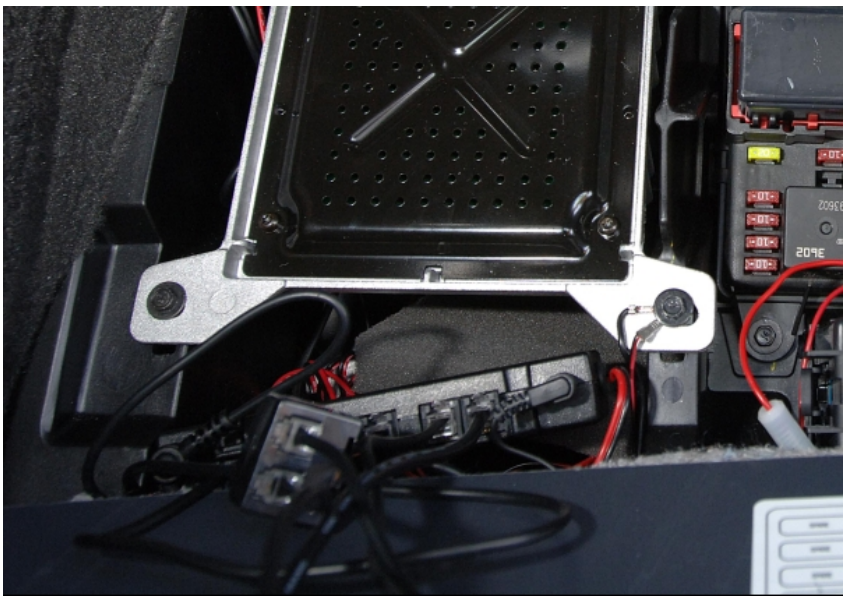
[1] 3M VHB (Very High Bond) tape 4979F Black, 1 inch x 36 yard 62.0 mil. thick. Conformable foam, multi-purpose acrylic adhesive, black, clear PE film liner, double sided. VHB tape can be ordered through any automotive paint supple outlet that carries 3M automotive products.

Take a small sharpened 1/8 inch metal rod and poke three holes through the rubber boot. Cut the phone jack connectors off the wires and run thru the holes in the rubber boot. This is much easier when taping the wires individually to the 1/8 inch metal rod and pushing through. Once all wires are on the other side of the firewall you will need to cut the wires to length and put new phone jack connectors on. (Suggested replacement plugs and the cut / crimper part numbers and suppliers are noted on the attached work instruction) Plug the shifter wires into the supplied "Y" connector and plug the Y-connector and radar receiver into the proper interface location.

Rear Laser Shifter: The Rear Laser Shifter is (Code letter G on the installation manual) mounted to the rear license plate. Using a factory supplied square hole and the same 1/8 inch metal rod as before cut the phone jack connector off and run wire towards the factory rubber boot located on the right side of the trunk area. You will need to remove the carpet cover from the rear panel on the right side on the back. Use the same method as the front shifters and run the wire thru the rubber boot. Run the wire towards the front passenger side to the interface, cut the wire to length, attach a new modular plug and plug the rear laser into the correct interface location.

Rear Laser Shifter properly installed -

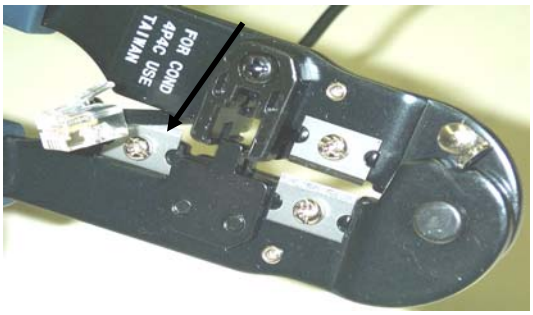
Interface: Ensure all jacks are plugged into the interface. Use cable ties on the mute switch and amplified speaker jacks. Place wiring into the cavity and cover everything back up.



Once the unit is tested put all body and interior components back in place.

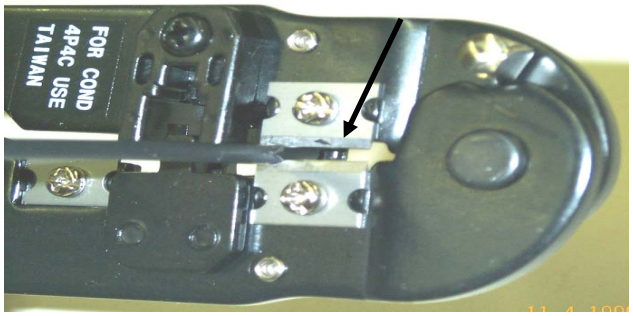
Important tips for cutting modular cables and crimping modular jacks

Step 1: Cut modular cable in crimp tool as shown.



Crimping Tool: Mouser Part Number 382-2094C
Mouser Electronics, Inc. Phone 800.346.6873
1000 North Main St. www.mouser.com
Mansfield, TX 76063

Step 2: Place cable in strip part of crimp tool and rotate wire in a circular direction to remove outside jacket. Be sure not to knick the insulation on the separate strand of wire.

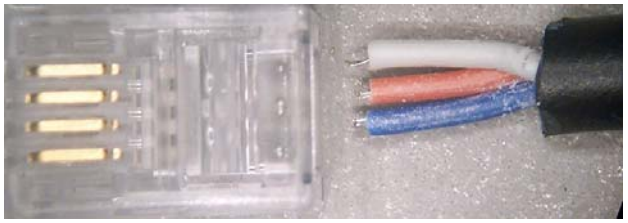


Step 3A: Color sequence of wires placed in modular plug for front shifters, rear shifters, and display module.

Modular Connector Digi-Key PN A9091-ND 4 Pos / 4 Cont
Digi-Key Corporation Phone 800.344.4539
701 Brooks Ave South www.digikey.com
Thief River Falls, MN 56701

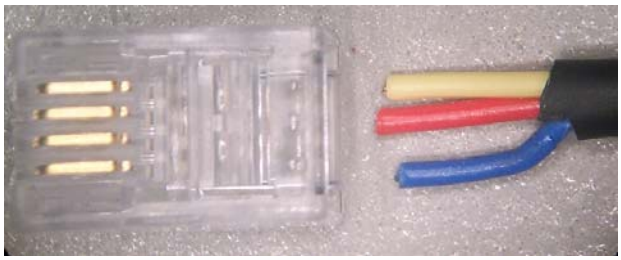
Yellow
Red
Green
Blue

Step 3B: Color sequence of wires placed in modular plug for Radar receiver.



White
Orange
Blue
No wire

Step 3C: Color sequence of wires placed in modular plug for Concealed display.



Yellow
Red
No wire
Blue

Step 4: Place modular plug with cable into location as shown. Squeeze handles together until they stop.